

From: [Sprague, Cheryl](#)
To: [Sherman, RuthAnn](#)
Subject: RE: Tinkham comingling question
Date: Thursday, October 17, 2019 3:39:52 PM
Attachments: [2019-0801-HAI-Tinkham_GMP Spring 2019 Letter Report-F Figures .pdf](#)

Yes- I have attached recent figures- the orange circles represent exceedances and this shows you there presence and exceedances for chlorinated compounds(TCE, VC), 1,4 D and PFAS

PFAS is highest in NAlk2- source area shallow well – TCE is also highest in that well.
Downgradient is FW11D and ow2d – both have PFAS, chlorinated compounds and high 1,4Dioxane.

One area of the source area was somewhat remediated- so one would expect that the originally very high levels were reduced – but the soil vapor technology was only applied over 1 acre of the 375 acre site – and likely didn't do much to remove the PFAS or 1,4 D -

TCE, 1,4D and PFAS are in wells in the Boston and Charleston neighborhoods
1,4D and PFAS are both found in the Ross/Tokanel neighborhood wells– so far 2 houses currently exceed the states lower limit for both in their well. (the others have either 1,4D or PFAS)

From: Sherman, RuthAnn <sherman.ruthann@epa.gov>
Sent: Thursday, October 17, 2019 3:23 PM
To: Sprague, Cheryl <sprague.cheryl@epa.gov>
Subject: RE: Tinkham comingling question

For both 1,4 and PFAS?
Thanks.

From: Sprague, Cheryl <sprague.cheryl@epa.gov>
Sent: Thursday, October 17, 2019 3:19 PM
To: Sherman, RuthAnn <sherman.ruthann@epa.gov>
Subject: RE: Tinkham comingling question

Yes- in the source area -

From: Sherman, RuthAnn <sherman.ruthann@epa.gov>
Sent: Thursday, October 17, 2019 3:15 PM
To: Sprague, Cheryl <sprague.cheryl@epa.gov>; Taylor, Melissa <Taylor.Melissag@epa.gov>
Cc: Zucker, Audrey <Zucker.Audrey@epa.gov>
Subject: Tinkham comingling question

Hi,
In drafting some talking points for our pre-meeting on Monday, we had a question for you. Is the 1,4 dioxane and/or the PFAS commingled with other hazardous substances at the site?
Thanks.

RuthAnn Sherman
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